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FAX Cover Sheet

То	USPTO 1200	Organization				
Fax	703-872-9302	Phone				
Subject	Script. No. 09/696,	526				
From	Robin W. Edwards	E-Mail R.w. Columnes	@larc.nasa.gov			
Fax	(757) 864–9190	Phone (757) 864- <u>3230</u>				
Date	1/10/03	Pages 2/ (including this co	ver sheet)			
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NASA Case No. 16039-1

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ji Su et al.

Serial No.: 09/696,526 : Examiner: Medley, Peter M.

Filed: October 23, 2000 : Art Unit: 2834

For: NON-UNIFORM THICKNESS ELECTROACTIVE DEVICE

CERTIFICATE OF TRANSMITTAL

I hereby certify that this correspondence detailed below is being transmitted via facsimile to TC3700 at 703-872-9302 in care of the Commissioner of Patents and Trademarks, Washington DC 20231 on January 10, 2003.

Office Action Response - 14 pages

New Figure 6 - 1 page

Extension of Time - 2 pages, 2 copies

Fee Transmittal - 1 page

Date: Jan. 10, 2003

Tina Hawks Buchanan

Tein Hawho Buchanan

PTO/SB/17 (01-03)
Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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EEE TOANGMITTA		Complete if Known					
FEE TRANSMITTA	L	Application Number		Numb	per 09/696,526		
for FY 2003		Filing Date			October 23, 2000		
Effective 01/01/2003. Patent fees are subject to annual revision.		First Named Inventor Ji Su		enter Ji Su			
		Examiner Name M		ame	Medley, Peter M		
Applicant claims small entity status. See 37 CFR 1.27		Art Unit			2834		
TOTAL AMOUNT OF PAYMENT (\$) 930.00		Attorney Docket No.		cket N	No. LAR 16039-1		
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)						
Check Credit card Money Other None	3. ADDITIONAL FEES						
			Large Entity , Small Entity				
Deposit	Fee Cod	Fee e (\$)	Fee Code	Fee (\$)	Fee Description <u>Fee</u> Paid		
Account 14-0116	1051	130	2051	85	Surcharge - late filing fee or oath		
Deposit Account NASA	1052	50	2052	25	Surcharge - late provisional filing fee or cover shoot		
Name The Commissioner is authorized to: (check all that apply)	1053	130	1053	130	Non-English specification		
X Charge foc(s) indicated below X Credit any overpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination		
Charge any additional fee(s) during the pendency of this application	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		
Charge fee(s) indicated below, except for the filling fee to the above identified deposit account.		1,840*	1805	1,840°			
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month		
1. BASIC FILING FEE	1252	410	2252	205	Extension for reply within second month		
Large Entity Small Entity	1253	930	2253	465	Extension for reply within third month 930.00		
Foo Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,450	2254	725	Extension for reply within fourth month		
1001 750 2001 375 Littlity filing fee	1255	1,970	2255	985	Extension for reply within fifth month		
1002 330 2002 165 Dealgn filing foc	1401		2401	160	Notice of Appeal		
1003 520 2003 200 Plant filing fee	1402		2402	160	Filling brief in support of an appeal		
1004 750 2004 375 Relssuo filing fee	1403		2403	140	Request for oral hearing		
1005 160 2005 80 Provisional filing fee	ľ	1,510	1	1,510	Petition to Institute a public use proceeding		
SUBTOTAL (1) (\$)	1452		2452	55	Petition to revive - unavoidable		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,300	2453 2501	650			
Fee from Extra Claims below Fee Paid	1502	1,300 470	2502	650 235	Utility issue fee (or roissue) Design issue fee		
Total Claims20** = X =	1503		2503	315	Plant issue fee		
Independent3** = X =	1460		1460	130	Petitions to the Commissioner		
Multiple Depondent =		50	1807	50	Processing tee under 37 CFR 1.17(g)		
Large Entity Small Entity	1806	180	1806	180	Submission of Information Disclosure Stmt		
Fee Fee Fee Fee Fee Description Code (\$) Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)		
1202 18 2202 9 Claims in excess of 20	1809	750	2809	375	Filing a submission after final rejection		
1201 84 2201 42 Independent claims in excess of 3	1000	,	2003	515	(37 CFR 1.129(a))		
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))		
1204 84 2204 42 ** Roissus independent claims over original patent	1801	750	2801	375	Request for Continued Examination (RCE)		
1205 18 2205 9 ** Reisaue claims in excess of 20 and over original patent	1802		1602		Request for expedited examination		
	Other	of a design application Other fee (specify)					
SUBTOTAL (2) (\$) **or number previously paid, if greater, For Reissues, soe above		*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 930.00					
Contraction Man							
TROUM W. LOWARDS		Allomay/		139	17 10 0000		
Signature FOULW (1) Salasakaa					Date January 10, 2003		

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is settinated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for roducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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<u>AMENDMENT</u>

Assistant Commissioner for Patents Washington, DC 20231

Sir:

In response to the Office Action dated July 10, 2002, please amend the abovereferenced patent application as follows:

In the Drawings:

Please add FIG. 6, attached hereto.

In the Specification:

<u>(1)</u>

Please replace the <u>Cross Reference to Related Cases</u> paragraph beginning at page 1, line 11, with the following rewritten paragraph:

--This application is related to co-pending, commonly owned patent application Serial No. 09/696,524, filed October 23, 2000, entitled "Polymer-Polymer Bilayer Actuator", co-pending commonly owned patent application Serial No. 09/696,528, filed October 23, 2000, entitled "Electrostrictive Graft Elastomers," and co-pending, commonly owned patent application Serial No. 09/696,527, filed October 23,2000, entitled "Membrane Position Control."--

(2)

Please replace the paragraph beginning at page 3, line 1, with the following rewritten paragraph: